THE FAULTS AND POSIBLE SOLUTIONS OF COMPUTER HARDWARE

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POWER SUPLY

S/N	FAULTS	SOLUTION
1	Power surge	Endeavor to turn off all heavy electrical equipment Make use of surge suppressors
2	High-voltage	Reduce all high voltage to less than 600volts
3	Frequency variation	Make use of power conditioners
4	Transient	Use a power conditioner to reduce impulses
5	Brownouts	Turn of all heavy electrical equipment Use voltage regulator

CLOCKS

S/N	FAULTS	SOLUTION
1	Clocks keeps resetting	Change CMOS battery
2	Date and time are constant	Change CMOS battery
3	1-2 system beep sound	Change the system time in the bios
4	System fails to start	Remove the CMOS battery Restart the system
5	Brownouts	Turn of all heavy electrical equipment Use voltage regulator

MEMORY BATTERY

S/N	FAULTS	SOLUTION
1	Dust on board	Clean and dust out the mother board
2	System beeps on every restart	Change CMOS battery
3	Date and time not set	Change CMOS battery Restart the system
4	System fails to start	Remove the CMOS battery Restart the system
5	System constantly restarts	Try booting in safe mode No CMOS, add CMOS battery

I/O PORTS

S/N	FAULTS	SOLUTION
1	Fails to read USB	Dust the i/o port Install Plug "n" Play driver
2	Peripheral device not working	Change the i/o port
3	I/O ports bad	Change motherboard
4	Unrecognized USB device	Install Plug "n" Play driver Restart the system
5	Plug "n" Play device not working	Install driver

DISK DRIVE VOLTAGE

S/N	FAULTS	SOLUTION
1	High voltage	Make use of voltage regulator
2	Drive overheating	Remove power supply Reduce power voltage
3	Disk crash	Change disk drive
4	Noise from disk drive	Bad drive, Change disk drive
5	Unable to read files	Format drive Change disk drive

KEYBOARD

S/N	FAULTS	SOLUTION
1	Keyboard is bad	Change keyboard
2	System not recognizing keyboard	Install P n P driver
3	Keyboard failure	Use external keyboard Change keyboard
4	Broken pin	Unplug keyboard and straighten it
5	Key not working	Release the dust off the keyboard

MOUSE

S/N	FAULTS	SOLUTION
1	Mouse pointer freeze	Restart system Unplug the mouse and plug back to system
2	Bad mouse	Change the mouse
3	Mouse pointer too slow	In the system, go to mouse>pointing device>set mouse speed
4	Double click not working	Change mouse speed setting
5	System not recognizing mouse	Install Plug "n" Play drivers

MONITOR

S/N	FAULTS	SOLUTION
1	Bab monitor	Change monitor
2	Fails to display	Check RAM
3	Monitor keeps blinking	Check VGA cable
4	Lines on screen	Change monitor screen
5	Monitor trips off a sudden	Check power supply

DISK DRIVES

S/N	FAULTS	SOLUTION
1	Fails to read files	Format disk
2	Noise from disk drive	Change disk drive
3	System cannot read disk drive	Insert disk properly
4	Corrupt files	Format disk drive Back-up files
5	File missing	Back-up files

SCRATCH DISK

S/N	FAULTS	SOLUTION
1	Lens cannot red disk	Change disk drive
2	Too much formatting	Reduce formatting Change disk drive
3	Multitasking	Reduce the number of app running at the same time
4	Illegal shutdown	Make use of backups i.e Battery, Ups
5	Power outage	Use backups